

Earnings Presentation First Quarter 2025

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This presentation contains forward-looking statements within the meaning of the U.S. Private Securities Litigation Reform Act of 1995. We intend such forward-looking statements to be covered by the safe harbor provisions for forward-looking statements as contained in Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended (the "Exchange Act"). All statements contained in this presentation other than statements of historical fact, including, without limitation, statements regarding Enlight Renewable Energy's (the "Company") business strategy and plans, capabilities of the Company's project portfolio and achievement of operational objectives, market opportunity and potential growth, discussions with commercial counterparties and financing sources, pricing trends, progress of Company projects, including anticipated timing of related approvals and project completion, the Company's future financial results, expected impact from various regulatory developments, including the IRA, Revenue and Income, EBITDA, and Adjusted EBITDA guidance, the expected timing of completion of our ongoing projects, macroeconomic trends, and the Company's anticipated cash requirements and financing plans, are forward-looking statements. The words "may," "might," "will," "could," "xould," "should," "expect," "plan," "anticipate," "intend," "target," "seek," "believe," "estimate," "predict," "potential," "continue," "contemplate," "possible," "forecasts," "aims" or the negative of these terms and similar expressions are intended to identify forward-looking statements, though not all forward-looking statements use these words or expressions.

These statements are neither promises nor guarantees, but involve known and unknown risks, uncertainties and other important factors that may cause our actual results, performance or achievements to be materially different from any future results, performance or achievements expressed or implied by the forward-looking statements, including, but not limited to, the following; our ability to site suitable land for, and otherwise source, renewable energy projects and to successfully develop and convert them into Operational Projects; availability of, and access to, interconnection facilities and transmission systems; our ability to obtain and maintain governmental and other regulatory approvals and permits, including environmental approvals and permits; construction delays, operational delays and supply chain disruptions leading to increased cost of materials required for the construction of our projects, as well as cost overruns and delays related to disputes with contractors; disruptions in trade caused by political, social or economic instability in regions where our components and materials are made; our suppliers' ability and willingness to perform both existing and future obligations; competition from traditional and renewable energy companies in developing renewable energy projects; potential slowed demand for renewable energy projects and our ability to enter into new offtake contracts on acceptable terms and prices as current offtake contracts expire; offtakers' ability to terminate contracts or seek other remedies resulting from failure of our projects to meet development, operational or performance benchmarks; exposure to market prices in some of our offtake contracts; various technical and operational challenges leading to unplanned outages, reduced output, interconnection or termination issues; the dependence of our production and revenue on suitable meteorological and environmental conditions, and our ability to accurately predict such conditions; our ability to enforce warranties provided by our counterparties in the event that our projects do not perform as expected; government curtailment, energy price caps and other government actions that restrict or reduce the profitability of renewable energy production; electricity price volatility, unusual weather conditions (including the effects of climate change, could adversely affect wind and solar conditions), catastrophic weatherrelated or other damage to facilities, unscheduled generation outages, maintenance or repairs, unanticipated changes to availability due to higher demand, shortages, transportation problems or other developments, environmental incidents, or electric transmission system constraints and the possibility that we may not have adequate insurance to cover losses as a result of such hazards; our dependence on certain operational projects for a substantial portion of our cash flows; our ability to continue to grow our portfolio of projects through successful acquisitions; changes and advances in technology that impair or eliminate the competitive advantage of our projects or upsets the expectations underlying investments in our technologies; our ability to effectively anticipate and manage cost inflation, interest rate risk, currency exchange fluctuations and other macroeconomic conditions that impact our business; our ability to retain and attract key personnel; our ability to manage legal and regulatory compliance and litigation risk across our global corporate structure; our ability to protect our business from, and manage the impact of, cyber-attacks, disruptions and security incidents, as well as acts of terrorism or war: changes to existing renewable energy industry policies and regulations that present technical, regulatory and economic barriers to renewable energy projects: the reduction, elimination or expiration of government incentives or benefits for, or regulations mandating the use of, renewable energy; our ability to effectively manage the global expansion of the scale of our business operations; our ability to perform to expectations in our new line of business involving the construction of PV systems for municipalities in Israel; our ability to effectively manage our supply chain and comply with applicable regulations with respect to international trade relations, tariffs and our ability to mitigate their impacts, sanctions, export controls and anti-bribery and anti-corruption laws; our ability to effectively comply with Environmental Health and Safety and other laws and regulations and receive and maintain all necessary licenses, permits and

authorizations; our performance of various obligations under the terms of our indebtedness (and the indebtedness of our subsidiaries that we guarantee) and our ability to continue to secure project financing on attractive terms for our project; limitations on our management rights and operational flexibility due to our use of tax equity arrangements; potential claims and disagreements with partners, investors and other counterparties that could reduce our right to cash flows generated by our projects; our ability to comply with increasingly complex tax laws of various jurisdictions in which we currently operate as well as the tax laws in jurisdictions in which we intend to operate in the future; the unknown effect of the dual listing of our ordinary shares on the price of our ordinary shares; various risks related to our incorporation and location in Israel, including the ongoing war in Israel, where our headquarters and some of our wind energy and solar energy projects are located; the costs and requirements of being a public company, including the diversion of management's attention with respect to such requirements; certain provisions in our Articles of Association and certain applicable regulations that may delay or prevent a change of control; and the other risk factors set forth in the section titled "Risk factors" in our Annual Report on Form 20-F for the fiscal year ended December 31, 2024 filed with the Securities and Exchange Commission (the "SEC"), as may be updated in our other documents filed with or furnished to the SEC.

These statements reflect management's current expectations regarding future events and operating performance and speak only as of the date of this presentation. You should not put undue reliance on any forward-looking statements. Although we believe that the expectations reflected in the forward-looking statements are reasonable, we cannot guarantee that future results, levels of activity, performance and events and circumstances reflected in the forward-looking statements will be achieved or will occur. Except as required by applicable law, we undertake no obligation to update or revise publicly any forward-looking statements, whether as a result of new information, future events or otherwise, after the date on which the statements are made or to reflect the occurrence of unanticipated events.

Unless otherwise indicated, information contained in this presentation concerning the industry, competitive position and the markets in which the Company operates is based on information from independent industry and research organizations, other third- party sources and management estimates. Management estimates are derived from publicly available information released by independent industry analysts and other third-party sources, as well as data from the Company's internal research, and are based on assumptions made by the Company upon reviewing such data, and the Company's experience in, and knowledge of, such industry and markets, which the Company believes to be reasonable. In addition, projections, assumptions and estimates of the future performance of the industry in which the Company operates, and the Company's future performance are necessarily subject to uncertainty and risk due to a variety of factors, including those described above. These and other factors could cause results to differ materially from those expressed in the estimates made by independent parties and by the Company. Industry publications, research, surveys and studies generally state that the information they contain has been obtained from sources believed to be reliable, but that the accuracy and completeness of such information is not guaranteed. Forecasts and other forward-looking information obtained from these sources are subject to the same qualifications and uncertainties as the other forward-looking statements in this presentation.

Non-IFRS Financial Metrics

This presentation presents Adjusted EBITDA, a non-IFRS financial metric, which is provided as a complement to the results provided in accordance with the International Financial Reporting Standards as issued by the International Accounting Standards Board ("IFRS"). A reconciliation between Adjusted EBITDA and Net Income, its most directly comparable IFRS financial measure, is contained in the tables below. The Company is unable to provide a reconciliation of Adjusted EBITDA to Net Income on a forward-looking basis without unreasonable effort because items that impact this IFRS financial measure are not within the Company's control and/or cannot be reasonably predicted. These items may include, but are not limited to, forward-looking depreciation and amortization, share based compensation, other income, finance income, finance expenses, share of losses of equity accounted investees and taxes on income. Such information may have a significant, and potentially unpredictable, impact on the Company's future financial results.

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High growth in revenues and profits; reaffirming 2025 guidance

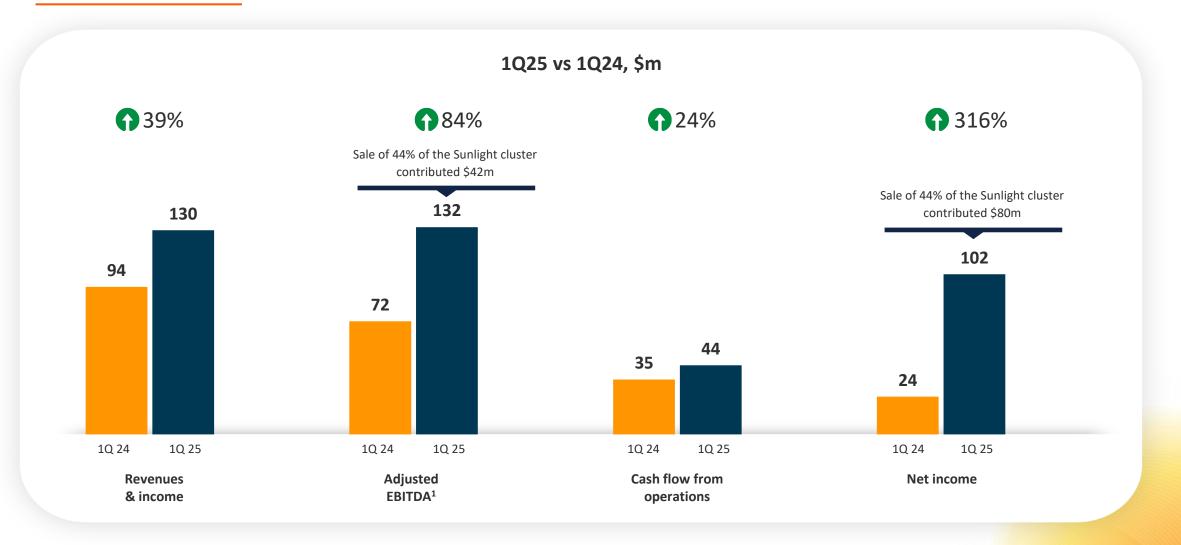
- Continued high year-on-year growth: 39% increase in revenue, 84% in Adjusted EBITDA¹, and 316% in net profit
- Reaffirming the Company's 2025 guidance ranges: revenues and income of \$490-\$510m and Adjusted EBITDA¹ of \$360-\$380m, with high resiliency to the impacts of tariffs or economic slowdowns
- Shielded from tariff impacts: the Company has no exposure to tariffs on solar panels for projects that will reach COD by the end of 2026, while 80% of the batteries for these projects are purchased from Tesla, with lower tariff exposure than other battery makers
- Advancing on financing plans: \$1.5bn of financial closing for three U.S. projects in the past four months; sale of a stake in the Sunlight cluster at a \$97m pre-tax profit; \$245m in bond issuance at low spreads



Consistent and Continued Growth in Financial Results



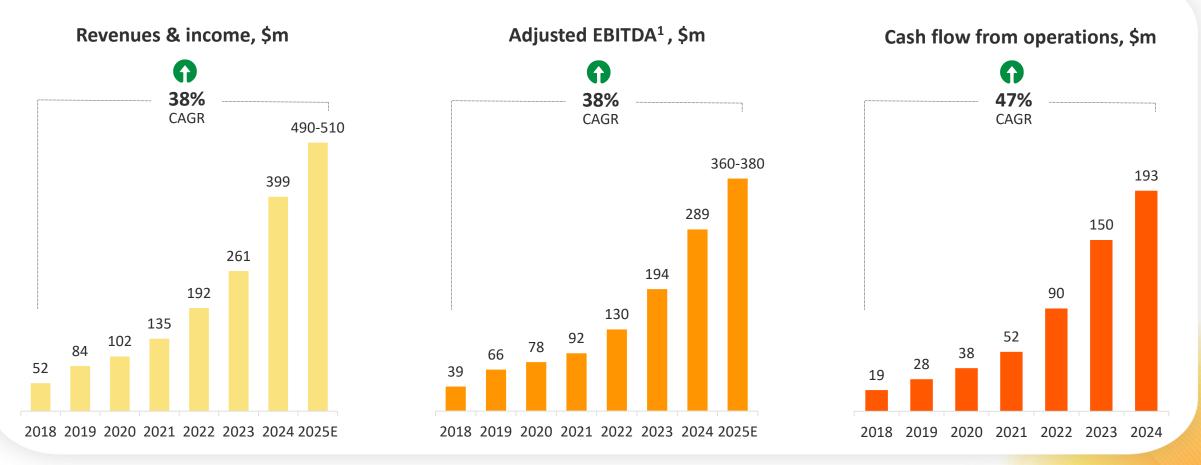
High growth in 1Q25 revenues and profits



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High and consistent growth rates over time Revenues and Adjusted EBITDA CAGR nearing 40% in since 2018



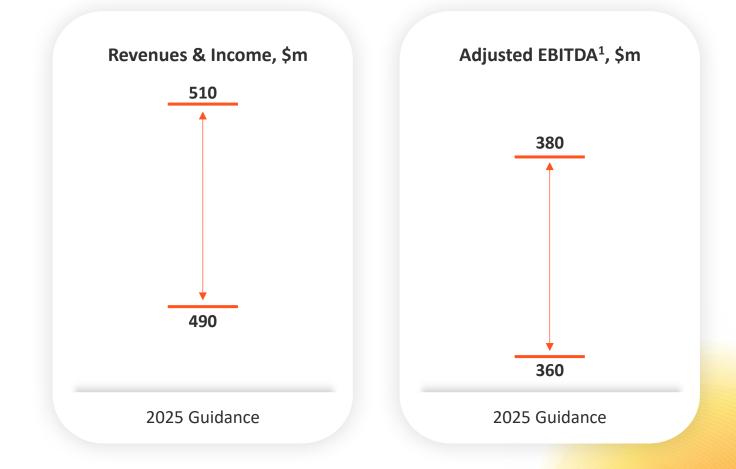


Reaffirming 2025 guidance

High resiliency to tariffs and economic slowdown scenarios

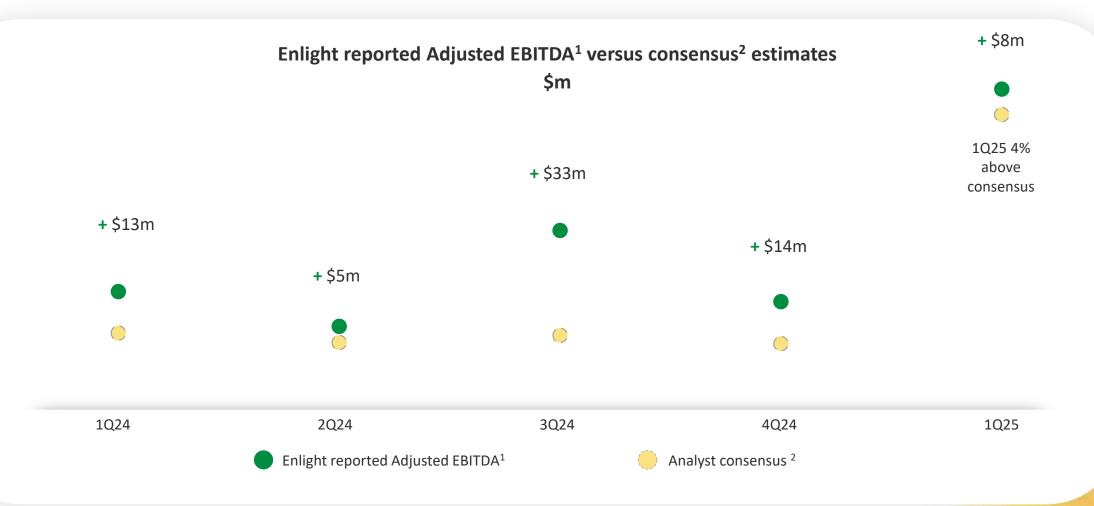
Main assumptions:

- Geographical revenues and income distribution: 38% in ILS, 35% in EUR, and 27% in USD
- Approximately 90% of production to be sold at fixed prices through hedges or PPA agreements





Outperforming consensus estimates for the fifth consecutive quarter



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Conlight

Enlight's procurement strategy creates effective defenses against tariffs



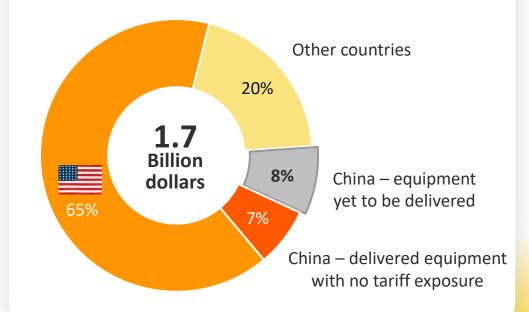
Cost mitigation

Batteries - 80% of requirements for projects under construction purchased from Tesla, a U.S. supplier with high domestic production levels

Panels - No tariff impact¹ for projects under construction, production outside of China

Revenue adjustments Negotiation for signing PPA price adjustment mechanisms² reflecting higher construction costs due to tariffs

Projects under construction: only 8% of costs exposed to China tariffs



¹Estimates of the impact of U.S. tariffs on construction costs for U.S. projects currently under construction are based on the following assumptions: the willingness of suppliers to take on a portion of the increase in costs, based in part on current negotiations with them. ² PPA contracts are currently under negotiation with utilities to adjust for tariff impacts. These estimates and assumptions involve risks and uncertainties, and reflect management's current expectations based on available information. We cannot guarantee that actual results achieved will reflected these estimates and assumptions.

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Elevated project returns even in a high tariff scenario

Project returns remain intact even in high tariff scenarios

Data on projects under construction, pre tariff increase³ (\$m)

		Α	В	C=A-B		D	=D/C	
U.S. projects under construction	FMW	Projects cost	Tax benefit value ²	Projects cost, net of tax benefit	Equity required at COD	First year EBITDA	EBITDA/ Net capex	Return on equity
Roadrunner, Country Acres and Quail Ranch	1,400	1,700	840	860	115	105	~12%	>15%

Scenarios for new tariff impacts⁴ on projects under construction¹ (\$m)

The agreements and relationships we have with our supply chain partners allow for a significant distribution of the impact of tariffs

China tariff scenario	Increase in projects cost	Increase in projects cost, net of tax benefit ²	Increase in required equity at COD	Growth in annual EBITDA	Change in EBITDA/ Net capex	Return on equity
35%	40-50	20-30	0-20	1 👔	-0.2%	
70%	80-100	40-60	10-30	2 🎧	-0.5%	>15%
145%	170-190	100-120	50-70	5 介	-1.0%	

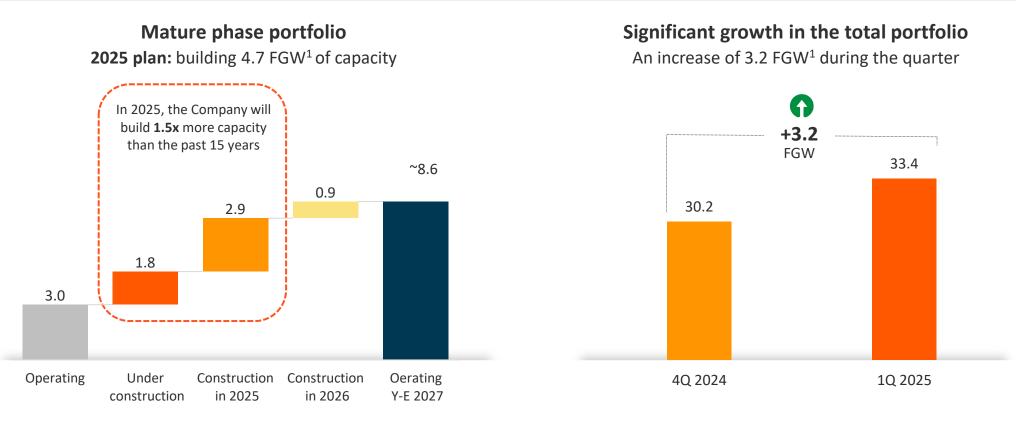
¹Estimates of the impact of U.S. tariffs on construction costs for U.S. projects currently under construction are based on the following assumptions: tariffs on Chinese imports ranging from 35% to 145%, and 10% on imports from all other countries; the willingness of suppliers to take on a portion of the increase in costs, based in part on current negotiations with them; an increase in the expected revenues and EBITDA of selected projects, based on current negotiations with relevant utilities. These estimates and assumptions involve risks and uncertainties, and reflect management's current expectations based on available information. We cannot guarantee that actual results achieved will reflected these estimates and assumptions. 2 Represents the estimated value of the tax equity investment related to IRA tax credits, and does not represent the full amount projected to be received from the tax equity partner. ³ Includes tariffs announced prior to April 2, 2025. ⁴ Includes tariffs announced post April 2, 2025.



Portfolio review On the path to \$1.4bn in revenues & income by year-end 2027



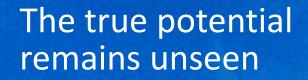
7.7 FGW operating or under construction in 2025 Reaching 8.6 FGW operating by year-end 2027



Expanding into a new sector

Entering into the data center sector, leveraging Enlight's core capabilities. Winning the Ashalim tender in southern Israel for the construction of an integrated data center and solar & storage facility.

¹ FGW (Factored GW) is a consolidated metric combining generation and storage capacity into a uniform figure based on the ratio of construction costs. The company's current weighted average construction cost ratio is 3.5 GWh of storage per 1 GW of generation: FGW = GW + GWh / 3.5



Total portfolio 33.4 FGW

Under construction 1.8 FGW

Operational

3 FGW¹

Pre-construction 3.8 FGW

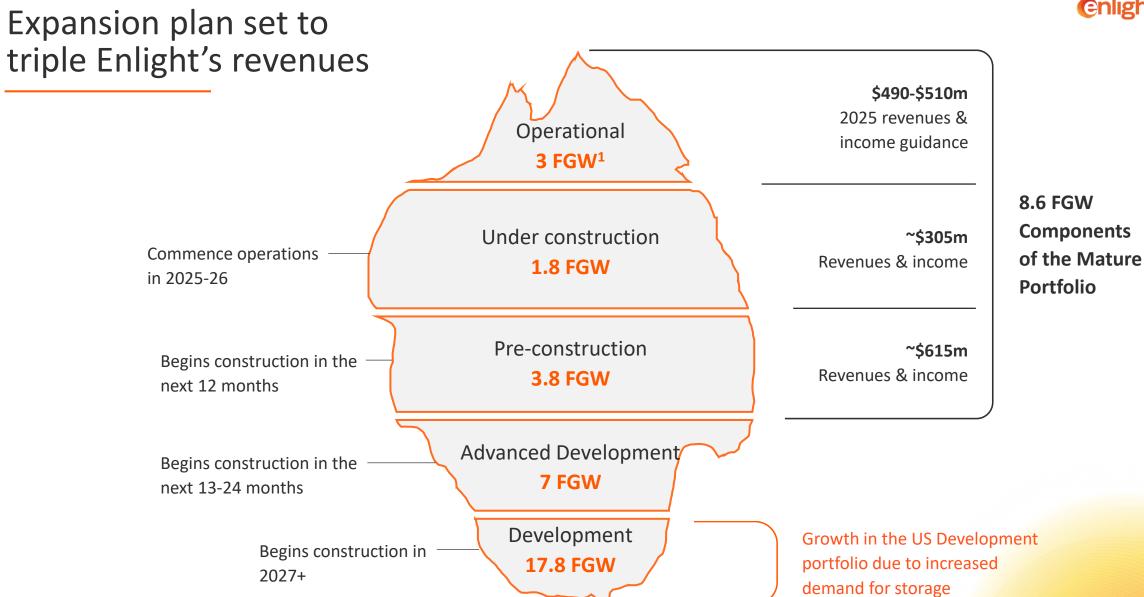
Advanced Development 7 FGW

> Development 17.8 FGW

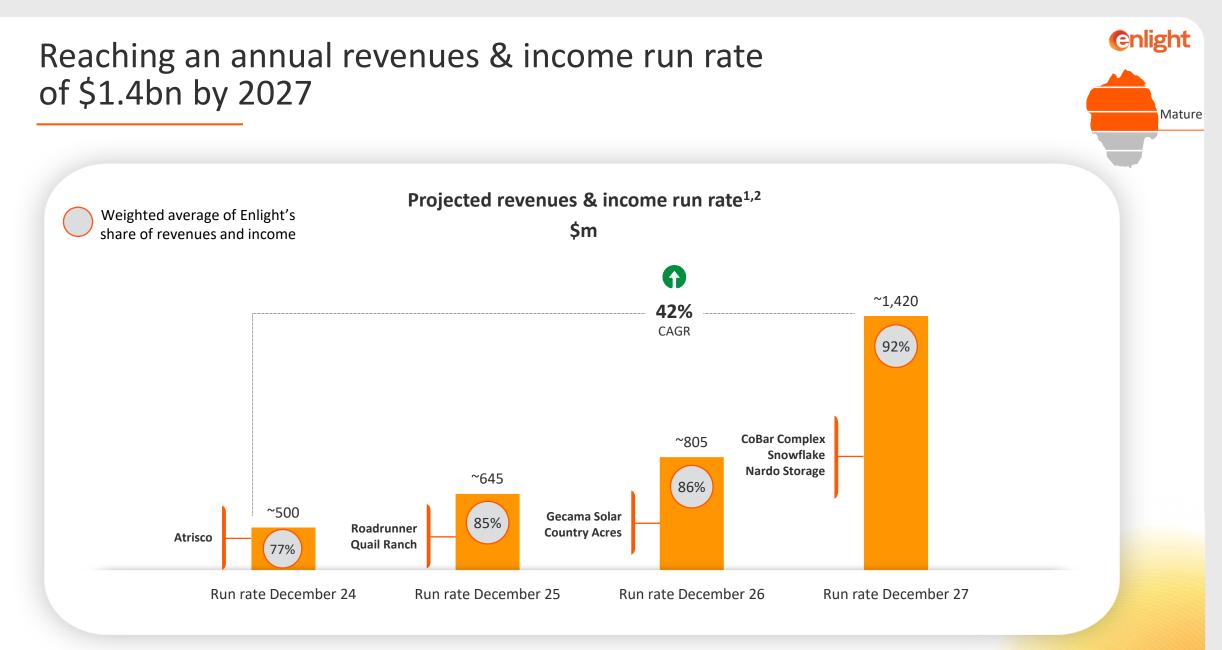
8.6 FGW Components of the Mature Portfolio

¹ FGW (Factored GW) is a consolidated metric combining generation and storage capacity into a uniform figure based on the ratio of construction costs. The company's current weighted average construction 13 cost ratio is 3.5 GWh of storage per 1 GW of generation: FGW = GW + GWh / 3.5.





¹ FGW (Factored GW) is a consolidated metric combining generation and storage capacity into a uniform figure based on the ratio of construction costs. The company's current weighted average construction cost ratio is 3.5 GWh of storage per 1 GW of generation: FGW = GW + GWh / 3.5.



¹ Projection based on 2025 guidance, adding on total revenues and income (sales of electricity and tax benefits) of under construction and pre-construction projects; ² The company's revenues from tax benefits are estimated at approximately 20-24% of the total revenue run rate for December 2025; approximately 22-26% of the total revenue run rate for December 2026, and approximately 26-30% of the total revenue run rate for December 2027.



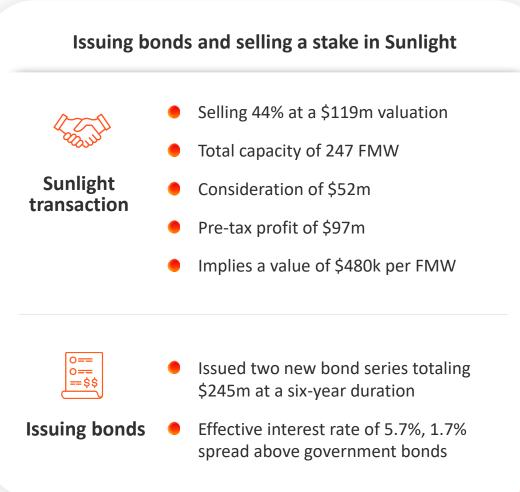
Achieving \$1.8bn in financing during the past four months

\$1.5bn financing for projects under construction in the US

1,400 FMW

Country Acres, Quail Ranch, Roadrunner

- **Total construction cost** of approximately \$1.7bn
- Financial closings totaling approximately \$1.5bn¹
- Attractive interest rate in the range of 5.5%-6.0%
- Expected equity required at COD averaging 5-10% of total construction costs
- Projects expected to reach COD during 2025-26, and contribute annual revenues and income of \$250m²



¹Loans granted during the projects' construction period, including tax equity bridge loans. ²Included sales of electricity and tax benefits.



Returns on equity remains over 15% even as project size increases



- Average historic return on operating assets (3 FGW) is 15%
- Under construction and pre-construction projects (5.6 FGW) continue to generate high returns before leverage:

 ~\$470m
 First year expected EBITDA¹
 =
 11-12%

 ~\$4,100m
 Expected net Capex²
 =
 Unlevered project returns

 After leverage
 After leverage
 =
 =



Expected return on equity of **15%**

¹ Projected results do not include tax benefits. ² Net construction costs assume receipt of certain ITC and PTC credits under the IRA and are net of the estimated value of these credits. For certain projects, PTC is assumed, based on the project's expected production and a yearly CPI indexation of 2%, discounted by 8% to COD. For other projects ITC is assumed at the relevant ITC rate (ranging from 30% to 50%, depending on energy community and/or domestic content adders). The net cost does not reflect the full tax equity investment, only the estimated value of the tax credits. Projected project costs and returns contain estimates of the impact of U.S. tariffs on construction costs and are based on assumptions that appear on pages 9 and 10 of this presentation.



A range of growth drivers across different markets

USA

- Increasing BESS portfolio following growing demand from utilities
- "Connect and expand":
 2.9 FGW¹ of advanced development projects are continuations of mature ones



- Enlarging BESS portfolio, with growing demand for storage and data centers
- 1.6 FGW energy storage in development & advanced development in Italy and Poland



- 2.5 FGW of large-scale development of Agro-PV
- Entering into the data centers sector, with high synergies to Enlight's core operations

¹ FGW (Factored GW) is a consolidated metric combining generation and storage capacity into a uniform figure based on the ratio of construction costs. The company's current weighted average construction cost ratio is 3.5 GWh of storage per 1 GW of generation: FGW = GW + GWh / 3.5

Entry into the data center sector

Implementing Enlight's strategy: portfolio diversification, high synergies to core capabilities

The data center sector is growing and synergetic

- 20% annual growth in electricity demand until 2030²
- Grid connection is a barrier to entry
- Requires broad access to capital
 - Experience in working with regulatory bodies
 - High electricity consumption; 60% of a facility's OPEX
 - Considerable engineering expertise required

The Ashalim tender

- Enlight plans to establish a 100 MW¹ server farm
- The Ashalim area is a renewable energy mega-site in the south of Israel, containing high-voltage grid infrastructure and fiber optic connectivity.
- The project will save millions of dollars on the cost of electricity transmission to central Israel and contribute to the development of Israel's peripheral regions.
- The first data center in Israel's peripheral southern region, following the global trend of relocating data centers away from urban areas

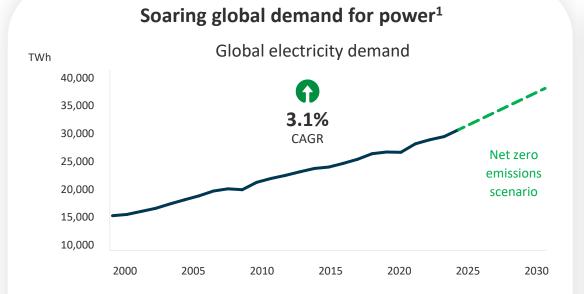
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A Business Environment Full of Opportunities

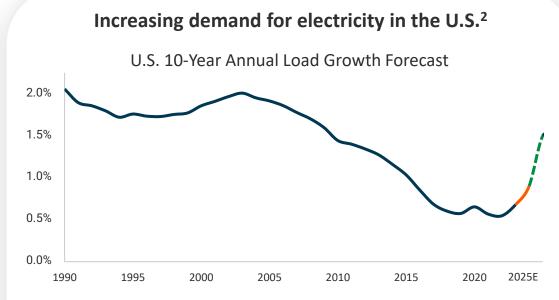


Continued high demand for electricity reduces tariff impacts



- The rate of growth of electricity demand has risen in recent years.
- Electricity's share of total energy consumption is expected to rise from 21% today to 27% by 2030 in a conservative scenario, and to exceed 30% in net-zero emissions scenarios

Electricity's share of total energy consumption is steadily increasing



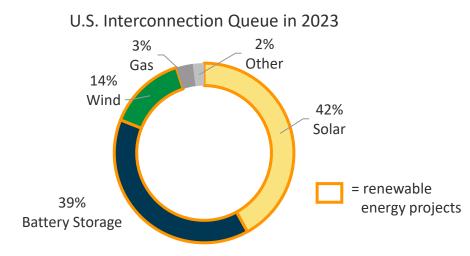
- US annual load growth forecast has jumped to 0.9% in 2023, with potential to reach 1.5%
- Drivers include AI, new manufacturing and data center facilities

Growth in data centers drive increased electricity demand



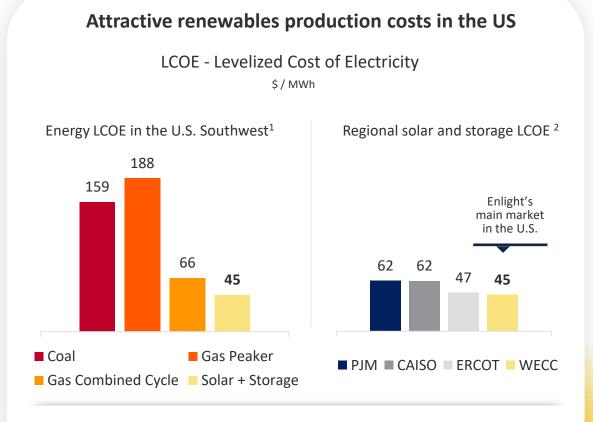
Renewables are the solution for the soaring demand for electricity Load growth rising after decades of decline; renewables dominate project queue

Renewables the only game in town



- Renewable power projects represent 95% of new capacity now in queue, with gas at only 3%
 - Coal plants displaced, while hydro, & nuclear are not built at scale

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Solar energy and storage offer the cheapest solution

Renewables critical to meeting future demand







Appendix

Enlight USA

Revenue & income 1Q25	Revenue & income 1Q24	% Change	Mature capacity 1Q25	Mature capacity 1Q24
\$34.8m	\$4.5m	673%	3,790 MW + 6,352 MWh	3,059 MW + 4,052 MWh



Construction is underway on projects Country Acres, Roadrunner and Quail Ranch, with a combined capacity of 821 MW and 2,028 MWh. Equipment is arriving and contractors are operating on site.

Construction & Financial Closing



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Financial closing for Country Acres project (403 MW and 688 MWh) totaling \$773m



Financial closing for Quail Ranch (128 MW and 400 MWh) totaling \$243m



U.S. construction and pre-construction projects: Enlight US Large capacity and high returns

Country Acres

Snowflake A

Location

Capacity

First Year³

Revenues / EBITDA

Unlevered Ratio

Status

Location	California
Capacity	403 MW + 688 MWh
Status	Under Construction
First Year ³ Revenues / EBITDA	\$61-62m / \$45-46m
Unlevered Ratio	10.0%-10.4% ^{1,2}

Under Construction \$61-62m / \$45-46m 10.0%-10.4%^{1,2} Arizona 600 MW + 1,900 MWh Pre-Construction \$122-128m / \$97-103m 10.5%-10.9%^{1,2}

LocationArizonaLocationArizonaCapacity290 MW + 940 MWhStatusUnder ConstructionFirst Year³Instance of the second second

\$52-55m / \$41-43m

14.3%-14.7%^{1,2}

Revenues / EBITDA Unlevered Ratio

Quail Ranch

Location	New Mexico
Capacity	128 MW + 400 MWh
Status	Under Construction
First Year ³ Revenues / EBITDA	\$22-23m / \$17-19m
Unlevered Ratio	12.4%-12.8% ^{1,2}

¹Net construction costs assume receipt of certain ITC and PTC credits under the IRA and are net of the estimated value of these credits. For certain projects, PTC is assumed, based on the project's expected production and a yearly CPI indexation of 2%, discounted by 8% to COD. For other projects ITC is assumed at the relevant ITC rate (ranging from 30% to 50%, depending on energy community and/or domestic content adders). The net cost does not reflect the full tax equity investment, only the estimated value of the tax credits. Projected project costs and returns contain estimates of the impact of U.S. tariffs on construction costs, and are based on assumptions that appear on pages 9 and 10 of this presentation. ² Excluding tax benefits





Revenue & income 1Q25	Revenue & income 1Q24	% Change	Mature capacity 1Q25	Mature capacity 1Q24
\$51.4m	\$59.2m	-13%	1,552 MW + 1,336 MWh	1,553 MW + 680 MWh





Construction underway on Gecama hybridization, adding 225 MW solar generation and 220 MWh storage capacity to the existing 329 MW windfarm



Entry into the Polish storage market by acquiring 3.2 GWh of capacity in development phase ,Adding storage to project Bjorn in Sweden (96 MWh) and Tapolca in Hungary (100 MWh)

Revenue & income 1Q25	Revenue & income 1Q24	% Change	Mature capacity 1Q25	Mature capacity 1Q24
\$42.9m	\$28.5m	51%	769 MW + 1,159 MWh	784 MW + 967 MWh

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MENA



Selling 44% of the Sunlight cluster at a valuation of \$119m, generating a pre-tax profit tax \$97m and cash flow of \$52m.

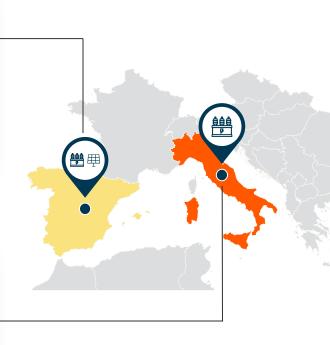
Winning the IEA's first high voltage availability tender, advancing the construction of energy storage facilities with capacity of 1.3-1.9 GWh. Estimated construction cost of \$205-245m, with expected average annual revenue of \$72-83m and EBITDA of \$36-42m. COD is expected by 2028.

Cenlight

Enlight Europe & MENA Continuing to expand presence across Europe and MENA with high return projects

Gecama Hybrid

Location	Spain
Capacity	225 MW + 220 MWh
Status	Pre-Construction
First Year Revenues / EBITDA	\$38-40m / \$31-33m
Unlevered Ratio	15.9%-16.3%



Nardo Storage

Location	Italy
Capacity	920 MWh
Status	Pre-Construction
First Year Revenues / EBITDA	\$32-34m/ \$27-29m
Unlevered Ratio	18.4%-18.8%

Israel PV / Storage projects

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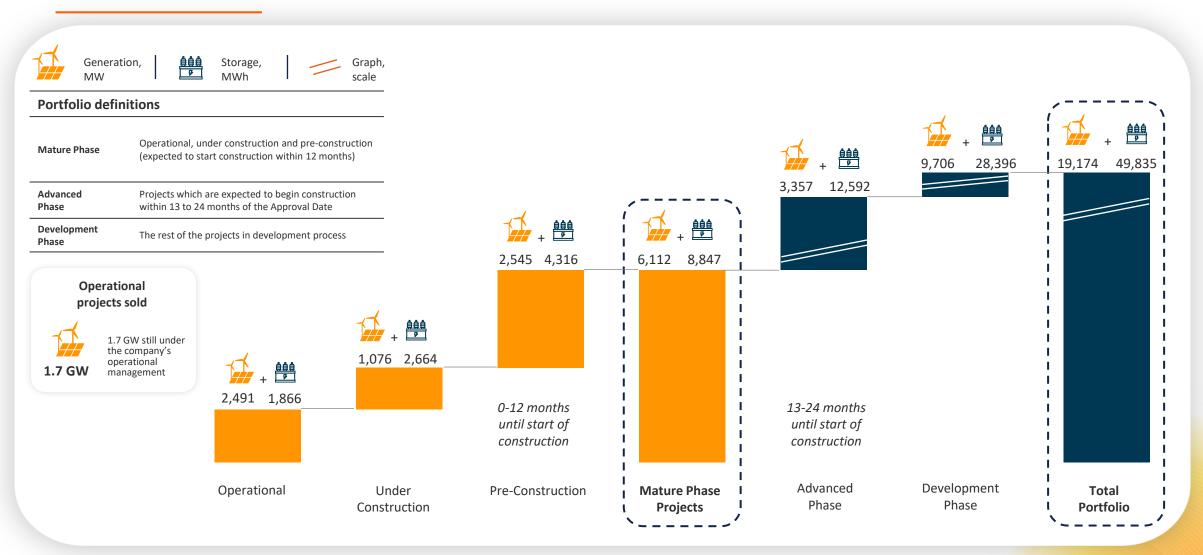
Location	Israel
Capacity	26 MW + 292 MWh
Status	Under Construction / Pre- Construction
First Year Revenues / EBITDA	\$11-13m / \$7-9m
Unlevered Ratio	9.2%-9.5%

Reconciliation between Net Income to Adjusted EBITDA

(\$ thousands)	For the three months ended		
	March 31, 2025	March 31, 2024	
Net Income (loss)	101,803	24,485	
Depreciation and amortization	33,789	25,604	
Share based compensation	1,710	3,117	
Finance income	(6,695)	(8,065)	
Finance expenses	30,203	19,493	
Gains from projects disposals (*)	(54,973)	-	
Share of losses of equity accounted investees	1,227	144	
Taxes on income	24,651	6,831	
Adjusted EBITDA	131,715	71,609	



Portfolio snapshot



Advanced grid connection status for 10 GW of projects Enlight US Transmission infrastructure is the principal constraint for renewable energy today



System Impact Study Completed 73% of total portfolio in the United States